

ITEM: 16

SUBJECT: City of Vacaville, Easterly Wastewater Treatment Plant, Solano County

BOARD ACTION: *Consideration of NPDES Permit Renewal and Time Schedule Order*

BACKGROUND: The City of Vacaville owns and operates the Easterly Wastewater Treatment Plant, which consists of two parallel plants, the existing North Plant and the newly constructed South Plant. The 15 mgd treatment system consists of headworks, primary sedimentation basins, aeration basins, secondary circular clarifiers, chlorination and dechlorination facilities, emergency ponds, dissolved aeration floatation thickener, anaerobic digesters, biosolids storage ponds, biosolids belt filter press and biosolids drying beds. Wastewater is discharged from the wastewater treatment plant to Old Alamo Creek, tributary to New Alamo Creek, tributary to Ulatis Creek, and tributary to Cache Slough, within the Sacramento-San Joaquin Delta.

Seasonal requirements for Title 22 tertiary level (or equivalent) treatment are included in the proposed permit. Based on a health risk assessment conducted by the Discharger, the Department of Public Health (DPH) determined secondary treated wastewater is acceptable from November through April, because the beneficial uses of contact and non-contact recreation and agricultural water supply are not expected during these months.

The proposed Order includes new or more stringent effluent limitations for biochemical oxygen demand (BOD), total suspended solids, turbidity, total coliform organisms, nitrate, ammonia, chlorine residual, cyanide, chlorodibromomethane, dichlorobromomethane, and total trihalomethanes. The Discharger is unable to immediately comply with some of the new or more stringent effluent limitations, therefore, where allowed by the Basin Plan, compliance schedules have been provided in the permit. For nitrate, a compliance schedule is provided in a separate Time Schedule Order.

Comments on the tentative Order were received from the Discharger and Central Valley Clean Water Association (CVCWA). A Response to Comments document is included in the agenda package and some minor changes have been made to the proposed Order in response to the Discharger's comments.

ISSUES: None

Mgmt. Review \_\_\_\_\_

Legal Review \_\_\_\_\_

24/25 April 2008

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